

ABSTRACT OF THE INVENTION

A novel neurotrophic factor referred to as glial cell line derived  
derived neurotrophic factor (GDNF) has been identified  
and isolated from serum free growth conditioned medium  
of B49 glioblastoma cells. Rat and human genes  
encoding GDNF have been cloned and sequenced. A gene  
encoding GDNF has been subcloned into a vector, and the  
vector has been used to transform a host cell in order  
to produce biologically active GDNF in a recombinant  
DNA process.

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